CLAIMS

What is claimed is:

1. An image processing method comprising:

capturing an image; and

providing edge enhancements to the captured image as part of a demosaicing process.

2. The method of claim 1, further comprising:

performing post demosaicing processing on the captured image; and

outputting the processed image.

3. The method of claim 1, wherein providing the edge enhancements includes:

creating a brightness map of the captured image.

4. The method of claim 3, wherein providing the edge enhancements further includes:

detecting edges of the captured image using the brightness map;

creating a mask image form the edge detected brightness map; and

performing unsharp edge enhancement from the masked image.

5. The method of claim 4, wherein providing the edge enhancements further includes:

blending multiplicatively the unsharp edge enhanced image with the brightness map.

6. An apparatus comprising:

an image capturing device to capture an image; and

a processor to provide edge enhancements to the captured image as part of a demosaicing process.

7. The apparatus of claim 6, wherein the processor is to perform post demosaicing processing on the captured image and to output the processed image.

8. The apparatus of claim 6, wherein the processor is to create a brightness map of the captured image.

9. The apparatus of claim 8, wherein the processor is to detect edges of the captured image using the brightness map, to create a mask image form the edge detected brightness map, and to perform unsharp edge enhancement from the masked image.

10. The apparatus of claim 9, wherein the processor is to blend multiplicatively the unsharp edge enhanced image with the brightness map.

11. A machine-readable medium that provides instructions, which if executed by a processor, cause the processor to perform the operations comprising:

capturing an image; and

providing edge enhancements to the captured image as part of a demosaicing process.

12. The machine-readable medium of claim 11, further providing instructions, which if executed by the processor, cause the processor to perform the operations comprising:

performing post demosaicing processing on the captured image; and

outputting the processed image.

13. The machine-readable medium of claim 11, further providing instructions, which if executed by the processor, cause the processor to perform the operations comprising:

creating a brightness map of the captured image.

14. The machine-readable medium of claim 13, further providing instructions, which if executed by the processor, cause the processor to perform the operations comprising:

detecting edges of the captured image using the brightness map;

creating a mask image form the edge detected brightness map; and

performing unsharp edge enhancement from the masked image.

15. The machine-readable medium of claim 14, further providing instructions, which if executed by the processor, cause the processor to perform the operations comprising:

blending multiplicatively the unsharp edge enhanced image with the brightness map.

16. An image processing device comprising:

an image capturing unit to capture an image;

a memory device to store the captured image;

an output unit coupled to the memory device; and

a processor to provide edge enhancements to the captured image in the memory device as part of a demosaicing process and to cause the enhanced image to be output is to the output unit.

17. The image processing device of claim 16, wherein the image capturing unit includes a charge-couple device (CCD) array, phototransistors, or photodiodes.

18. The image processing device of claim 16, wherein the output unit is a display device.

19. The image processing device of claim 18, wherein the processor is to perform post demosaicing processing on the captured image and to cause the image to be output to the display device.

20. The image processing device of claim 19, wherein the post demosaicing processing is a white balancing processing or a chromatic improvement processing.